| Index of Claims | Application No. | Applicant(s) |  |  |  |  |
|-----------------|-----------------|--------------|--|--|--|--|
|                 | 10/645,681      | TSAI ET AL   |  |  |  |  |
|                 | Examiner        | Art Unit     |  |  |  |  |
|                 | David Nhu       | 2818         |  |  |  |  |

| <b>√</b> | Rejected | _ | (Through numeral)<br>Cancelled |   | J | Non-Elected  | A | Appeal   |
|----------|----------|---|--------------------------------|---|---|--------------|---|----------|
| <b></b>  | Allowed  | + | Restricted                     | ı |   | Interference | 0 | Objected |

| Claim             | T-            |              |              |  | Date   |                 |                        | Claim Date  |          |          |          |                 |             |               |  |               |          | Claim Date                                       |              |          |          |                |          |          |              |              |              |               | _               |          |
|-------------------|---------------|--------------|--------------|--|--|-----------------|------------------------|-------------|----------|----------|----------|-----------------|-------------|---------------|--|---------------|----------|--|--------------|----------|----------|----------------|----------|----------|--------------|--------------|--------------|---------------|-----------------|----------|
|                   | +             | <del>T</del> | Τ            | <del>, '</del>                                   | Dale   |                 |                        | Т           | $\dashv$ |          | 21111    |                 | - 1         | <del>'</del>  |  | T             | 1        | <del></del>                                      | 1            | - 016    |          | T              | -        |          | <del>\</del> | ale          | ;<br>        | T             |                 |          |
| Final<br>Original | 7/19/04       |              |              |  |  |                 |                        |             |          | Final    | Original | -               |             |               |  |               |          |  |              | Final    | Original |                |          |          |              |              |              |               |                 |          |
| ि वि              | ) =           | ╁            | ╁            | ╁─   |  |                 | $\vdash$               | -           | $\dashv$ | -        | 51       | $\vdash$        |             | -             |  | $\dashv$      | $\dashv$ | +  | 1            |          | 101      | _              |          | $\dashv$ | $\dashv$     | $\dashv$     | $\dashv$     | $\dashv$      | $\dashv$        |          |
| 2                 | 1             | +            | <del> </del> |  |  | H               |                        | $\dashv$    | $\dashv$ |          | 52       | $\vdash$        | <del></del> |               |  | $\dashv$      | 十        | +-   | ł            |          | 102      | $\dashv$       | 十        | _        |              |              |              |               |                 | $\dashv$ |
| 3                 | -++           | +            | -            | -  | $\vdash$   |                 |                        | -           | $\dashv$ |          | 53       | $\vdash$        | -           | +             | $\vdash$   | $\dashv$      | +        | +  | ł            |          | 103      |                | +        | -        | 一十           | -            | _            | -             | -               |          |
| 4                 | +             | +            |              | -  |  |                 |                        |             | ┪        |          | 54       |                 |             | +             |  | $\dashv$      | +        |  | ł            |          | 104      |                | 十        | -+       | -            | _            | -            | _             | <del>-</del>  - |          |
| 5                 | +             | +            | $\vdash$     | -  | $\vdash$   | Н               | -                      |             | $\dashv$ |          | 55       | 1               |             | <del> </del>  | <del>                                     </del> | <del> -</del> | +        | +  | ł            |          | 105      |                | -        | $\dashv$ | $\dashv$     | $\dashv$     | -            | $\dashv$      |                 | $\dashv$ |
| 6                 | +             | +            | <del> </del> | $\vdash$   |  |                 |                        | <del></del> | $\dashv$ |          | 56       | -               |             |               |  | -+            | _        | +  | 1            | $\vdash$ | 106      | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$     | +            | $\dashv$      | $\dashv$        |          |
| 7                 | ╅             | ╁            | ├            |  | $\vdash$   | Н               |                        | $\dashv$    | ヿ゙       |          | 57       |                 |             | ╅             | $\vdash$   | $\dashv$      |          | +  | ĺ            |          | 107      | +              | • 🕇      | $\dashv$ | 寸            |              |              | $\dashv$      | $\dashv$        |          |
| 8                 | _             | ╁┈           | ╁            |  | <del> </del>                                     | $\Box$          | $\neg$                 | $\dashv$    | ┪        |          | 58       |                 |             | _             |  |               | _        | <del>                                     </del> |              |          | 108      | $\dashv$       | $\dashv$ | 十        | 一            |              |              | $\dashv$      | $\dashv$        |          |
| 9                 | 11            | 十            | ╁            | -  | <del>                                     </del> | Н               |                        |             | $\dashv$ |          | 59       |                 | <u> </u>    | $\top$        |  |               |          |  | ĺ            |          | 109      | $\neg$         | 十        | 十        | 1            |              |              | 寸             |                 |          |
| 10                | +1            | ╈            | $\vdash$     | <u> </u>   |  | Н               |                        | 1           | ┪        |          | 60       |                 | <u> </u>    |               |  |               |          |  | 1            |          | 110      | 1              | $\dashv$ | 寸        |              |              |              |               |                 |          |
| 11                | ++            | 1            |              | <u> </u>   |  | М               |                        | $\dashv$    | $\dashv$ |          | 61       |                 | $\dashv$    | +             |  |               | _        |  | 1            |          | 111      |                | $\dashv$ | $\dashv$ |              |              |              | $\dashv$      | $\dashv$        |          |
| 12                | 11            | 1            |              |  |  |                 |                        |             |          |          | 62       |                 |             | 1             |  |               |          | _  |              |          | 112      |                | 寸        | 寸        | $\neg$       |              |              |               |                 |          |
| 13                | $\rightarrow$ |              |              | <del>                                     </del> |  | П               |                        |             | $\neg$   |          | 63       |                 | $\top$      | 1             |  |               | _        |  |              |          | 113      |                | $\dashv$ | 寸        | $\dashv$     | $\neg$       |              | $\neg$        | $\dashv$        |          |
| 14                |               | 1            |              |  |  |                 |                        | $\top$      | $\neg$   |          | 64       |                 | $\top$      |               |  |               | _ _      |  | ]            |          | 114      |                |          |          |              |              |              |               |                 |          |
| 15                |               |              |              |  |  |                 |                        |             |          |          | 65       |                 |             | 1             |  |               |          |  | 1            |          | 115      |                | $\neg$   | $\neg$   | T            | ヿ            |              | 一             | 丁               |          |
| 16                |               |              |              |  |  |                 |                        |             |          |          | 66       |                 |             |               |  |               |          |  |              |          | 116      |                |          |          |              |              |              |               |                 |          |
| 17                |               |              |              |  |  |                 |                        |             |          |          | 67       |                 |             |               |  |               |          |  | ]            |          | 117      |                |          |          |              |              |              |               |                 |          |
| 18                |               |              |              |  |  | •               |                        |             |          |          | 68       |                 |             |               |  |               |          |  | ]            |          | 118      |                |          |          |              |              |              |               |                 |          |
| 19                |               |              |              |  |  |                 |                        |             |          |          | 69       |                 |             |               |  |               |          |  |              |          | 119      |                |          |          |              |              |              |               |                 |          |
| 20                |               |              |              |  |  |                 |                        |             |          |          | 70       |                 |             |               |  |               |          |  |              |          | 120      |                |          |          |              |              |              |               |                 |          |
| 21                |               |              |              |  |  |                 |                        |             |          |          | 71       |                 |             |               |  |               |          |  |              |          | 121      |                |          |          |              |              |              |               |                 |          |
| 22                |               |              |              |  |  |                 |                        |             |          |          | 72       |                 |             |               |  |               |          |  |              |          | 122      |                |          |          |              |              |              |               |                 |          |
| 23                |               |              |              |  |  |                 |                        |             |          |          | 73       |                 |             |               |  |               | _ _      |  |              |          | 123      |                |          | $\bot$   |              |              |              |               |                 |          |
| 24                | $\rightarrow$ |              |              |  | <u> </u>   |                 |                        |             |          |          | 74       |                 |             | 1.            |  |               |          |  |              |          | 124      |                |          | _        | $\Box$       |              | _            |               |                 |          |
| 25                | $\rightarrow$ |              |              | <u> </u>   |  |                 |                        |             | _        |          | 75       |                 | $\perp$     |               |  |               |          |  |              |          | 125      |                |          | _        | _            |              |              |               | _               |          |
| 26                |               |              | <u> </u>     | $oxed{igspace}$                                  |  |                 |                        |             |          |          | 76       | $\square$       |             |               |  |               |          | _  |              |          | 126      |                | 4        | _        | $\dashv$     |              |              | _             | _               |          |
| 2                 |               | _            | lacksquare   | lacksquare                                       | $oxed{oxed}$                                     | Ш               |                        |             | _        |          | 77       |                 | $\perp$     | 4_            |  |               | _ _      |  |              |          | 127      | _              |          | _        | _            |              |              |               | _               |          |
| 28                | _             | <u> </u>     | <u> </u>     | igspace  |  |                 |                        |             | _        | <u> </u> | 78       |                 |             |               |  | 4             | _        |  | 1            |          | 128      | _              | _        | 4        |              |              |              |               | _               |          |
| 29                |               |              | _            | <u> </u>   | ļ  |                 |                        |             | _        |          | 79       |                 |             | Д_            |  | _             |          |  |              |          | 129      | $\dashv$       | _        | 4        |              |              |              |               | _               |          |
| 30                |               | _            | ļ            | ↓  | igspace  | igsqcup         |                        |             | _        |          | 80       |                 | _           | —             |  |               | _        |  | ļ            | ļ        | 130      | _              | _        | _        |              |              |              |               | _               |          |
| 31                | -↓            | ↓            | <u> </u>     | <u> </u>   |  |                 |                        |             | 4        |          | 81       |                 | _           |               |  | _             | _ _      |  |              |          | 131      | 4              | _        | _        |              |              |              |               | _               |          |
| 32                |               | _            | _            |  |  |                 |                        |             | _        | -        | 82       |                 | $\dashv$    | —             |  | 4             |          |  | -            | <u> </u> | 132      | -              | _        |          | _            |              | <b></b> ∤    |               | _               |          |
| 33                | _             | ╀            | _            | <u> </u>   | ļ  |                 |                        |             |          |          | 83       |                 | +           |               |  | _             |          |  | -            |          | 133      |                | +        | -        | $\dashv$     |              |              |               |                 |          |
| 34                | _             | -            | $\vdash$     | -  | <del>  -</del>                                   | <del>  </del>   |                        |             | $\dashv$ | -        | 84       | $\vdash \vdash$ | +           | <del></del>   | $\vdash \vdash$                                  |               | +        | +  | {            | <u> </u> | 134      | <del> </del> - |          | -        |              |              |              | $\dashv$      | $\dashv$        |          |
| 35                | _             | -            | -            | ļ  |  |                 |                        |             | $\dashv$ |          | 85       |                 |             | +             | <del>                                     </del> |               | +        | -  | ┨            |          | 135      | _              | -        | $\dashv$ |              |              |              | $\dashv$      | $\dashv$        |          |
| 36                | _             | +-           | <del> </del> | $\vdash$   | <del>  </del>                                    | $\vdash\vdash$  | $\vdash \vdash \vdash$ |             | $\dashv$ |          | 86       |                 |             | +-            | $\vdash$   | $\dashv$      | +        | +  | $\mathbf{I}$ | -        | 136      | $\dashv$       |          | $\dashv$ | $\dashv$     | _            | $\dashv$     | $\dashv$      | $\dashv$        |          |
| 37                |               | ┥—           | <del> </del> | -  | -  | $\vdash$        | $\dashv$               | -           | $\dashv$ |          | 87       | -               |             |               | H  | $\dashv$      | $\dashv$ |  | ┨            |          | 137      |                |          | $\dashv$ | $\dashv$     | $\dashv$     |              | <del> -</del> | -               |          |
| 38                |               | -            | ├            | -  | <del>                                     </del> |                 | $\vdash$               | -           | $\dashv$ |          | 88       | H               |             |               | H  | +             | +        | +-   | $\mathbf{I}$ | <b></b>  | 138      | -              | -+       | +        | $\dashv$     |              | $\dashv$     | $\dashv$      | $\dashv$        |          |
| 39                |               | +            | -            | -  |  | $\vdash$        | $\vdash$               |             | $\dashv$ |          | 89       | ┝┤              |             | -             | H  | +             | +        | +-   | $\mathbf{I}$ | <b></b>  | 139      | $\dashv$       | +        | $\dashv$ | -            | $\dashv$     |              | $\dashv$      | $\dashv$        |          |
| 40                | +-            | +-           | -            | +-   |  | $\vdash\vdash$  | $\vdash$               |             |          | <u> </u> | 90       | $\vdash$        | +           | +             | $\vdash \vdash$                                  | $\dashv$      |          | <del></del>                                      | ┨            |          | 140      | +              | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$     |              | $\dashv$      |                 |          |
| 41                | +             | +            | +-           | $\vdash$   |  | $\vdash$        |                        | $\dashv$    | $\dashv$ |          | 91       | $\vdash \vdash$ | +           | +             |  | +             | +        | +  | 1            | <b>—</b> | 141      | $\dashv$       | +        |          |              |              |              |               | $\dashv$        |          |
| 42                |               | +-           | $\vdash$     | $\vdash$   | -  | $\vdash$        |                        | _           | $\dashv$ |          | 92<br>93 | $\vdash \vdash$ | $\dashv$    | -             | ┼╾┤  | -             | +        | <del>- -</del> -                                 | 1            |          | 142      | $\dashv$       | +        | $\dashv$ |              | <del> </del> | <del> </del> | -             | $\dashv$        |          |
| 43<br>44          | $\rightarrow$ | +            |              | ├  |  | $\vdash$        | $\vdash \vdash \vdash$ | +           | $\dashv$ |          | 94       | $\vdash \vdash$ |             | +             | $\vdash$   | +             | +        | +  | {            |          | 144      |                | $\dashv$ | _        | $\dashv$     |              |              | $\dashv$      | $\dashv$        |          |
| <del></del>       |               | +-           | <del> </del> | <del> </del>                                     | -  |                 |                        |             | $\dashv$ |          | 95       | $\vdash$        |             | <del>- </del> | H  | +             | -        | <del>- </del>                                    | 1            |          | 145      | -              |          | $\dashv$ | $\dashv$     | $\dashv$     | $\dashv$     | $\dashv$      | $\dashv$        |          |
| 45<br>46          |               | ┼            | <del> </del> | <del> </del>                                     | -  | $\vdash \vdash$ | -                      | -           | $\dashv$ | <u> </u> | 96       | ┝╌┤             | -           | +             | H  | +             | +        | +  | 1            |          | 145      | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$     |              |              |               | -               |          |
| 40                |               | +            |              |  | -  |                 |                        |             | -        |          | 97       | $\vdash \vdash$ | +           | +             | -  | $\dashv$      | -        | -  | 1            |          | 147      | $\dashv$       | +        | $\dashv$ | $\dashv$     |              |              | _             | $\dashv$        |          |
| 48                |               | +            |              | +  | -  |                 | $\vdash$               |             | $\dashv$ |          | 98       | -               |             | +-            |  |               | +        |  | 1            |          | 148      |                | -        | +        |              |              |              |               |                 |          |
| 49                |               | +            |              |  |  |                 |                        |             |          |          | 99       |                 |             |               |  | +             | -        |  |              | -        | 149      |                | +        | +        | -            | -            |              | $\dashv$      |                 |          |
| 50                |               | +            | $\vdash$     | -  | -  |                 | $\vdash$               | +           | $\dashv$ |          | 100      | $\vdash \vdash$ | -           | +-            |  | +             | +        | +  | 1            |          | 150      | $\dashv$       | $\dashv$ | $\dashv$ |              | _            |              | -             | $\dashv$        |          |
| 1 30              |               | 1            |              |  |  | لبا             | لـــا                  |             |          | L        | 100      |                 |             | !             | ш  |               |          |  | J            | L        | , , , ,  |                |          |          | 1            |              | Щ            |               |                 |          |